

IN THE CLAIMS

1. (Currently Amended) Assembly of a protection cover ~~(1;20;30)~~ and a circuit board ~~(7;29;34)~~ comprising one or more optical conductors ~~(8;36)~~ characterized in that

said optical conductors ~~(8;36)~~ are embedded in said circuit board ~~(7;29;34)~~, said circuit board ~~(7;29;34)~~ comprising an optical cavity ~~(9;26;37)~~ exposing at least a part of said embedded optical conductors ~~(8;36)~~ and said protection cover ~~(1;20;30)~~ is adapted to use said optical cavity ~~(9;26;37)~~ as a reference.

2. (Currently Amended) Assembly according to claim 1, wherein said protection cover ~~(1;20;30)~~ comprises attachment means ~~(5;23;33)~~ for joining said protection cover ~~(1;20;30)~~ and said circuit board ~~(7;29;34)~~ at said optical cavity ~~(9;26;37)~~.

3. (Currently Amended) Assembly according to claim 2, wherein said optical cavity ~~(9)~~ is adapted to accommodate a mounting frame ~~(12)~~ comprising holding features ~~(13)~~ and said attachment means ~~(5)~~ are adapted to engage with said holding features ~~(13)~~.

4. (Currently Amended) Assembly according to claim 3, wherein said mounting frame ~~(12)~~ comprises fastening means ~~(14)~~ for fixating said mounting frame ~~(12)~~ within said optical cavity ~~(9)~~.

5. (Currently Amended) Assembly according to ~~any one of the claims 2~~ ~~[-4]~~, wherein said attachment means ~~(5)~~ comprises a flexible attachment means, such as flexible plastic attachment means.

6. (Currently Amended) Assembly according to claim 2, wherein said protection cover ~~(20)~~ comprises a metallic portion ~~(21)~~ including said attachment means ~~(23)~~.

7. (Currently Amended) Assembly according to ~~any one of the preceding~~ claims 1, wherein said protection cover (1;20;30) comprises an adhering structure and/or adhering substance (33) for sticking said protection cover (1;20;30) to said circuit board (7;29;34).

8. (Currently Amended) Assembly according to ~~any one of the preceding~~ claims 1, wherein said circuit board (7;29;34) comprises at least one connector header arrangement (27) and said protection cover (1;20;30) is adapted to fit within said connector header arrangement (27).

9. (Currently Amended) Assembly according to ~~any one of the preceding~~ claims 1, wherein said protection cover (1;20;30) further comprises a handling grip (2;24;39).

10. (Currently Amended) Assembly according to ~~any one of the preceding~~ claims 1, wherein said optical cavity (9;26;37) is adapted to accommodate a coupling device (11) for coupling an optical connector to said optical conductors (8;36) and wherein said protection cover (1;20;30) is adapted to accommodate said coupling device (11).

11. (Currently Amended) Protection cover (1;20;30) for use in an assembly according to ~~any one of the preceding~~ claims 1.

12. (Currently Amended) Circuit board (7;29;34) for use in an assembly according to ~~any one of the~~ claims 1-10.